

Amendments to the Claims:

This listing of claims will replace the listing of claims, as filed, in the application:

Listing of Claims:

Claim 1 (original): An apparatus for dispensing a sample for analysis by electrospray ionisation mass spectrometry, said apparatus comprising a substrate of electrically insulating material, the substrate comprising at least two covered microstructures both having an outlet at the edge of the substrate where the electrospray is to be generated by application of a voltage and an inlet for fluid introduction, one of said microstructures containing the sample solution to be sprayed and at least one other of said microstructures containing a second fluid, preferably a sheath liquid or a sheath gas, characterized in that the sample solution and the second fluid are arranged to be directly mixed in the Taylor cone of the spray.

Claim 2 (original): An apparatus according to claim 1 wherein said substrate is a multilayer body, preferably of polymer material(s), in which at least two layers of said multilayer body each comprise one of said at least two microstructures.

Claims 3-41 (canceled).

Claim 42 (original): A method of fabricating an apparatus for dispensing a sample for subsequent analysis by mass spectrometry, comprising the steps of taking a substrate of electrically insulating material, fabricating at least two covered microstructures, both having an outlet at the edge of the substrate where the spray is to be generated by application of a

voltage and an inlet for fluid introduction, so that the sample and sheath liquid solutions to be sprayed from the microstructures through these outlets are mixed in the Taylor cone.

Claim 43 (original): A method of fabricating an apparatus according to claim 42, comprising the step of taking a substrate which is a multilayer body, fabricating at least one covered microstructures in a plurality of layers, assembling said plurality of layers and optionally cutting the assembled multilayer body, so as to obtain at least two covered microstructures, both having an outlet at the edge of the substrate where the spray is to be generated by application of a voltage and an inlet for fluid introduction, so that the sample and sheath liquid solutions to be sprayed from the microstructures through these outlets are mixed in the Taylor cone.

Claims 44-56 (canceled).